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(21)Application number : 05-299927 (71)Applicant : NITTO DENKO CORP

(22)Date of filing : 30.11.1993 (72)Inventor : TAKAOKA SEIICHI

(54) FLAME-RETARDANT ADHESIVE

(57)Abstract:

PURPOSE: To improve flame retardancy and heat resistance by compounding a thermoplastic high-molecular weight polyester with a brominated phosphoric ester and an inorg. filler.

CONSTITUTION: 100 pts.wt. thermoplastic high-molecular weight polyester is compounded with 20-150 pts.wt. brominated phosphoric ester and 1-50 pts.wt. inorg. filler. The polyester is produced by the polycondensation of a dicarboxylic acid (e.g. terephthalic acid) with a diol (e.g. ethylene glycol) and has a mol.wt. of 10,000-30,000. An example of the phosphoric ester is tris(dibromophenyl) phosphate. An example of the filler is calcium carbonate, pref. having an average particle size of about 1µm or lower. Regardless of the shape of the adhesive, its flame retardance and heat resistance are improved by the exposure to a radiation such as an electron beam or γ-ray. The dose of the radiation is usually 50-300kGy, though varied by various factors.

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(54)【発明の名称】 難燃性接着剤

(57)【要約】

【目的】 フレキシブルプリント配線板、フラットケーブル等種々の物品に使用できる難燃性接着剤を得る。

【構成】 熱可塑性高分子量ポリエステルを主成分とし、該ポリエステル100重量部に対し、含臭素リン酸エステル20~150重量部および無機充填剤1~50重量部を配合する。